



YOUR LINK TO PROFIT

**Announcing...**

The Newest Addition to the  
Patz Vertical Mixer Family:  
The Best Just Got BIGGER!



**P**atz is excited to introduce the Model 2400 950 Twin Screw Vertical Mixer! This mixer is designed to provide 950 – 1,100 cubic feet of mixing capacity and includes many of the same incredible features that our Model 1100 Single Screw Vertical Mixer offers. The durability and proven performance of the Patz vertical mixer line can benefit your farming operation in several ways:

- **Increased production and improved herd health.**
  - Unique screw and patent pending baffle design promotes fast, thorough blending from end to end - regardless of batch size!
  - Handles all feedstuffs, round or square bales, wet or dry.
- **Saves valuable time!**
  - 950 to 1100 cubic feet of fast mixing capacity.
  - Fast discharge with complete clean-out.

- **Durable and easy to operate.**
  - Only 106¾" height for easy loading!
  - Walking tandem for smooth transport over rough terrain.
  - Designed for long life, low maintenance and trouble-free operation.

- **Peace of mind.**
  - Strongest planetary gearbox in the industry, backed by a 5-year pro-rated warranty. 22% stronger MAX Torque Rating than any competitor!
  - Local Patz certified dealers provide service after the sale.

Ask your local Patz dealer about the **24 Features of the New Model 2400 Twin Screw Vertical Mixer!**

**Patz**  
FEEDINGSOLUTIONS

# Proven Performance from the Next Generation of Patz Vertical Mixers

If you're looking for proven performance in a vertical mixer, look no further than the **Patz Model 1100 Single Screw Vertical Mixer** with 300 to 690 cubic feet of mixing capacity! Our customers are experiencing increased milk production, butterfat and protein reports!

Here's what Patz Vertical Mixer customers are saying:

- Great ability to mix a wide variety of forages without crushing or damaging the feed!
- Mixes the ration faster than most auger and vertical mixers, saving valuable time!
- Thoroughly and consistently mixes the ration, regardless of batch size!
- Our nutritionist loves it, butterfat and production both went up.
- So versatile that it has the ability to mix small batches for special or fresh groups of cattle!
- Unloads fast with exceptional clean-out of mixer!
- In one year, our rolling herd average went up to 1700 lbs. Butterfat is up 100 lbs. Protein is up 60 lbs.

Go to [www.patzsales.com](http://www.patzsales.com) and click on the "Success Stories" link for more satisfied customer comments.

## 'Tis the season to be... scraping and pumping

It's that time of year again for taking on the task of emptying those manure storage areas! Patz has what you need for moving manure out of your barn and out of your pit. Choose these great products to make manure handling easier on you!

### Alley Scraper



- Allows scraping more often.
- Cleans on a precise schedule – automatically.
- Installs easily.
- Saves labor.
- Saves wear on tractor or skid-steer loader.

### Gutter Cleaner



- 56 years of proven reliability.
- Adaptable to many layouts.
- Engineered to withstand the rugged wear of every day operation.

### Manure Stacker



- Stock pile manure in one area without the fear of runoff.
- Pivot point assembly allows stacker to swing away from gutter for manure distribution.
- Fit your layout with choice of lengths.
- Handle manure from stallion barns, free stall barns, feed lots, hog houses and poultry houses.

### Manure Pumps



- Moves manure under-ground to storage.
- Handles high volumes of free-flowing manure or slurry with fine-cut bedding.
- All moving parts are removable for service.
- Pays for itself with time savings.

Let Patz handle your manure so you don't have to!



Contact your local Patz dealer today.

## From the Kitchen of:



Cindy Wendt, Patz Marketing Services Secretary, submitted this as one of her favorite recipes. No wonder - this delicious dessert won first place in a church picnic pie contest!

If you would like to submit your favorite recipe for publication in an upcoming issue, please send a copy along with your name, mailing address and why it's your favorite to: Patz Sales, Inc., LINK Editor, POB 7, Pound, WI 54161. Thank you.



### Berry Cheesecake Pie

- 1 unbaked pastry shell (10 inches)
- 1 Cup (8 oz.) small-curd cottage cheese
- 2 Tablespoons milk
- 2 Packages (8 oz. each) cream cheese, softened
- ½ Cup sugar
- 2 Tablespoons all-purpose flour
- ¼ Teaspoon vanilla extract
- 3 eggs
- 1½ Cups fresh raspberries, divided
- 1 Cup whipping cream, whipped

Line unpricked pastry shell with a double thickness of aluminum foil. Bake at 450 degrees for 8 minutes or until lightly browned. Cool on a wire rack. Reduce heat to 350 degrees.

In a blender, combine cottage cheese and milk; cover and process

until smooth. In a mixing bowl, beat cream cheese and sugar until smooth. Beat in cottage cheese mixture, flour and vanilla. Beat in eggs just until blended. Pour into pastry shell. Sprinkle with ½ cup of raspberries; gently press into filling with the back of a spoon.

Bake at 350 degrees for 30-35 minutes or until the center is almost set (cover edges loosely with foil if browning too quickly). Cool on a wire rack for 1 hour. Refrigerate for at least 1 hour. Top with whipped cream and remaining berries. Store in the refrigerator. Yield: 10 servings.

*NOTE: Cindy has also used blueberries and blackberries in this pie.*

# Indispensable \$245 TMR Tool

## It's a dairy ration test that'll pay off over and over.

By John Vogel

If you need a good reason for using a Penn State forage particle separator, ask Dairy Scientist Jud Heinrichs. He has a number of reasons right on the tip of his tongue:

"If you put up 400 tons of corn silage at the wrong particle size, I guarantee it'll be a long winter. Corn silage that's too coarse or long will suffer from poor fermentation, and it's tough to deal with after the fact. You'll have too much sorting and feed wastage.

"If the total mixed ration (TMR) is too fine, you could feed extra hay to compensate," he adds.

Either way, you risk rumen metabolic dysfunction – acidosis, displaced abomasums, low milk component yields, reduced production and possibly lameness problems.

"Dropping rumen pH too low, even for a short time, alters rumen function. Suppose, for example, the grain separates out in the rumen. She might process it first, in the first few hours, then put herself into acidosis as she starts processing the forages."

Feed intake, milk protein and fat are impacted long before a cow suffers acute acidosis. In fact, Heinrichs suggests that daily episodes of rumen pH less than 5.5 are frequent in many dairies.

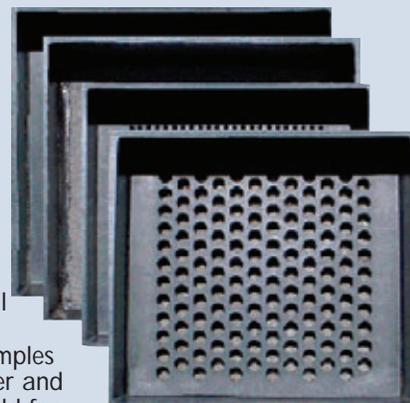
"If you're willing to live with a 14,000-pound herd average with Holsteins, you don't need to analyze the fresh TMR ration at the bunk. But if you milk or hope to milk 25,000 to 27,000-pound production, you need to do things differently." It starts with making sure forage particle size is correct when harvesting haylage or corn silage, then measuring it again in the bunk – the feed the cows actually consume. That's why Heinrichs and a Penn State graduate assistant designed the Penn State forage particle separator, a three-stage screen sieve, to evaluate particle size.

Today, it's the industry standard for dairy feed consultants. If your ration consultant doesn't use one, you should wonder why.

### WHAT SHAKES OUT

Silage particle length should be assessed during harvest to ensure the lengths meet specific guidelines, and again as fresh TMR ration at the bunk where all feed ingredients are combined before the cows eat or sort. Samples are taken, checked for dry matter and weighed the same way you would for moisture testing.

While a two-sieve version is available via NASCO farm supply, the updated three-sieve version more accurately assesses particle size, especially in TMR rations. The third (smallest) screen has a pore size of 0.05 inches. Feed particles less than this size either are digested rapidly in the rumen or pass rapidly through the rumen, notes Heinrichs. The manual that comes with the separator kit gives specific use instructions.



### FOR MORE DETAILS AND TO ORDER

- You'll find more extensive, downloadable information about the separator at this Web site: [www.das.psu.edu/dcn/catforg/particle/index.html](http://www.das.psu.edu/dcn/catforg/particle/index.html). The site contains a complete description for using it, graphic forms and a computer software spreadsheet that automatically calculates and graphs particle size.
- You can order the kits with or without electronic scales from the NASCO Web site: [www.enasco.com/prod/Home](http://www.enasco.com/prod/Home). Type "particle separator" into the key word search box.

Source: *Wisconsin Agriculturist*, September 2004 issue.

## We Welcome Your Comments...



As a valued Patz customer and reader of the LINK newsletter, we invite you to complete the following survey to help us determine the editorial content of future LINK issues.

Your completed survey is very important to us. You can forward your comments to Patz by fax (920-897-2142) or by mailing it to: Patz Marketing Services, POB 7, Pound, WI 54161 or go online to: [www.patzsales.com](http://www.patzsales.com), click on the *LINK Survey* button and follow the simple directions.

Thank you.

- Do you wish to continue receiving the LINK newsletter?  Yes  No
- How would you describe your agricultural title?
 

<input type="checkbox"/> Owner/operator	<input type="checkbox"/> Co-owner/partner
<input type="checkbox"/> Farm employee	<input type="checkbox"/> Retiree
<input type="checkbox"/> Other _____	
- Rate each of the following attributes of the LINK as to how valuable it is to you and your dairy business.

	Highly	Moderately	Slightly	Not at all
Article Topics				
Customer Testimonials				
Patz Equip. Information				
Recipes				
Overall				

- In general, articles are: (circle all that apply)
 

Too long	About the right length	Often interesting
Of limited interest	Too hard to read	Quick to read
- I give my copy of the LINK to someone else to read when I'm through.
 

<input type="checkbox"/> Always	<input type="checkbox"/> Often	<input type="checkbox"/> Sometimes	<input type="checkbox"/> Never
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- Future article that would interest me: \_\_\_\_\_
- Do you use the internet for:
 

Researching technology/products?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Purchasing?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Locating dealers/distributors?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Telephone No.: \_\_\_\_\_  
 E-mail Address: \_\_\_\_\_

### Please provide the following information (optional).

Number of cattle: \_\_\_\_\_ Dairy \_\_\_\_\_ Beef \_\_\_\_\_ Calves

Patz Equipment Owned (check all that apply):  
 Mixers  Silo Unloaders  Manure Pumps  
 Feeders  Conveyors  Alley Scrapers  
 Gutter Cleaners

## Featured articles inside include:

- Meet the Newest Member of Our Vertical Mixer Family - The Model 2400 Twin Screw.
- Great Results - As Told by Patz Model 1100 Vertical Mixer Customers!
- LINK Survey - We Welcome Your Comments.
- Penn State Shaker Box - An Indispensable TMR Tool.
- 'Tis the Season for Scraping & Pumping - Patz Has What You Need.

# Patz

Your Partners in Progress Since 1948  
[www.patzsales.com](http://www.patzsales.com)

FREE  
Recipe

*"Mix samples were very consistent..."*



*Tim and Galen Huhe, H and H Farms, Cresco, IA.*

*"It takes 5 to 6 minutes to mix and unload the Patz (1100 Vertical Mixer). We save 1 hour a day from our old auger mixer. We had mix samples and shaker box tests taken. They were very consistent and the particle size was right on. We can handle round bales now and we couldn't before."*

## Milk: The Power Behind The Play Dairy Checkoff and NFL team up

Dairy producers, through the dairy checkoff program, and the National Football League® (NFL) kicked off a partnership in September to help educate children about the importance of healthy eating and daily exercise. The program promotes "3-A-Day" of dairy to encourage kids to include three servings per day of milk, yogurt or cheese as part of a healthy diet.

By leveraging the dairy checkoff's solid foundation in schools along with the energy and excitement of the NFL, dairy producers have a strong tool to reach our nation's youth and the moms who feed them.

In addition, DMI and the NFL will reach more than 31,000 school cafeterias through "Milk: The Power Behind The Play," a cafeteria promotion that features prominent football players on posters and other NFL-themed materials.

For more information visit [www.dairycheckoff.com](http://www.dairycheckoff.com).



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